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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20070022

Mr. Steven L. Blume
Refinery Manager
ExxonMobil Refining and Supply Company
P.O. Box 551
Baton Rouge, Louisiana 70821

Agency Interest No. 2638

RE: Part 70 Operating Permit Renewal/Modification, Low Sulfur Mogas Complex, ExxonMobil Refining & Supply Company - Baton Rouge Refinery, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Blume:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 2176-V4

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN: DWP
c: EPA Region VI

*PN
only*

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Low Sulfur Mogas Complex
Agency Interest No.: 2638
ExxonMobil Refining & Supply Company - Baton Rouge Refinery
Baton Rouge, East Baton Rouge Parish, Louisiana**

I. Background

ExxonMobil Refining and Supply Company (ExxonMobil) owns and operates a petroleum refinery in Baton Rouge, Louisiana (BRRF). The Low Sulfur Mogas Complex is an existing facility in the refinery. Currently the facility operates under Permit 2176-V3 dated April 11, 2006 and PSD-LA-667 (M-2) dated October 19, 2005.

This permit serves as a renewal to the Part 70 Title V Permit for the Low Sulfur Mogas Complex.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by ExxonMobil on December 12, 2007 requesting a Part 70 operating permit renewal.

III. Description

The Low Sulfur Mogas Complex has hydrotreating and caustic treating capacity to lower the sulfur content of mogas (motor gasoline). Mogas primarily consists of naphthas with different boiling points. After production by upstream units, fractionators separate the blendstocks, which are then treated to reduce sulfur content. Treated streams are virgin naphtha, light cat naphtha (LCN), intermediate cat naphtha (ICN), and heavy cat naphtha (HCN). The unit includes an LCN splitter, several hydrofiners for naphtha streams, a Selective Hydrogenation Unit, and Caustic Treating and Regeneration Units. A flare is included to handle emergency relief.

This proposed permit renewal revises the emission limits from the facility's emission point sources based on updated emission factors and/or current facility conditions.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	21.66	21.66	-
SO ₂	67.02	67.94	+0.92
NO _x	233.33	233.33	-
CO	187.48	202.12	+14.64*
VOC **	116.01	115.47	-0.54

*The increase in CO emissions is a reconciliation due to an update in the heating value of the fuel. This update puts all emissions from combustion sources on a consistent basis. PSD-LA-667 (M-2) will also be modified to adjust the emission rates.

****VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Acrylamide	0.04	0.04	-
Benzene	1.49	1.49	-
Biphenyl	0.04	0.04	-
Cresol	0.04	0.04	-
Cumene	0.07	0.07	-
Ethyl benzene	1.41	1.41	-
Methyl ethyl ketone	0.04	0.04	-
Methyl tert-butyl ether	0.04	0.04	-
n-Hexane	2.15	2.15	-
Naphthalene	0.22	-	-0.22
Phenol	0.04	0.04	-
Quinoline	0.04	0.04	-
Styrene	0.04	0.04	-
Toluene	6.79	6.79	-
Xylene (mixed isomers)	7.98	7.98	-
Total	20.43	20.21	-0.22

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Non-VOC TAPs (TPY):

Hydrogen sulfide	0.01
Total	0.01

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) do not apply.

This Complex is a major source of toxic air pollutants (TAPs) and is a part of the refinery, which is a major source of TAPs.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2009. The draft permit was also submitted to US EPA Region VI on <date>, 2009. All comments will be considered prior to the final permit decision.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Baton Rouge, East Baton Rouge Parish, Louisiana

VII. Effects on Ambient Air

Emissions associated with the proposed renewal were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
-	-	-	-

VIII. General Condition XVII Activities

Work Activity	Description	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _x	CO	VOC
GC XVII 1	LSM Work Practices- Equipment Maintenance					0.25
GC XVII 2	LSM Work Practices- Startup/Shutdown					4.26
GC XVII 3	LSM Work Practices- Catalyst Loading	4.22				
GC XVII 4	Equipment Preparation	0.01	0.45	0.02	0.13	0.12

IX. Insignificant Activities

Emission Point No	Description	Operating Rate (Max) or Tank Capacity (gal)	Citation
T210/IA/CHT008	Unit Tank	30	LAC 33:III.501.B.5.A.2
HCN/IA/TK057	Unit Tank	500	LAC 33:III.501.B.5.A.3
LSM/IA/TK083	Unit Tank	1000	LAC 33:III.501.B.5.A.3
LSM/IA/TK084	Unit Tank	1000	LAC 33:III.501.B.5.A.3
T210/IA/CHT007	Unit Tank	561	LAC 33:III.501.B.5.A.3

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Baton Rouge, East Baton Rouge Parish, Louisiana**

Emission Point No	Description	Operating Rate (Max) or Tank Capacity (gal)	Citation
LSM/FLR-8/PILOT	External Combustion Equipment	1.0 MMBtu/hr	LAC 33:III.501.B.5.A.1

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter																			
		5 ^A	9	11	13	15	1705	2111	2113	2115	2122	2139	2141	2151	2153	22	29*	51*	56	59*	
ID No.:	Description																				
UNF012	Low Sulfur Mogas Complex	1	1					1				1	1	1	3		1	1	1	1	1
ARE021	LSM/WV - Low Sulfur Mogas Complex Catch Basins and Sewer Vents																		1		
EQT689	HCN/CT-11 - Heavy Cat Naphtha Cooling Tower #11			1															1		
EQT690	HCN/CT-11 - Intermediate Cat Naphtha Cooling Tower #55			1															1		
EQT691	LSM/FLR-8 - LSM Flare #8			1												1					
EQT692	HCN/F201 - HCN F-201 Furnace			1	1	2										1			2		
EQT693	HCN/F202 - HCN F-202 Furnace			1	1	2										1					
EQT694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace			1	1	2										1					
EQT695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace			1	1	2										1					
EQT696	RHLA1/F700 - Reforming 1 F-700 Furnace			1	1	2										1			2		
FUG17	LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions							1											1		
RLP162	CAUSREG/PV - Caustic Regeneration Offgas Process Vent																		1		

* The regulations indicated above are State Only regulations.

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- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

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Agency Interest No.: 2638
ExxonMobil Refining & Supply Company - Baton Rouge Refinery
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60						40 CFR 61						40 CFR 63				40 CFR	
		A	GGG	J	QQQ	A	FF	J	M	V	A	CC	GGGGG	Q	UUU	64	68		
UNF012	Low Sulfur Mogas Complex	1			1	1	1	1		1						3	1		
ARE021	LSM/WW - Low Sulfur Mogas Complex Catch Basins and Sewer Vents				3		1								3				
EQT689	HCN/CT-11 - Heavy Cat Naphtha Cooling Tower #11																		
EQT690	HCN/CT-11 - Intermediate Cat Naphtha Cooling Tower #55														3				
EQT691	LSM/FLR-8 - LSM Flare #8	2			2														
EQT692	HCN/F201 - HCN F-201 Furnace	1			1														
EQT693	HCN/F202 - HCN F-202 Furnace	1			1									1			3		
EQT694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace	1			1									1			3		
EQT695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace	1			1									1			3		
EQT696	RHLA1/F700 - Reforming 1 F-700 Furnace	1			1														
FUG17	LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions										3				1				
RLP162	CAUSREG/PV - Caustic Regeneration Offgas Process Vent				3										1		3		

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
UNF010 Low Sulfur Mogas Complex	Control of Organic Compounds – Limiting VOC Emissions from Industrial Wastewater LAC 33:III.2153.A Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(a)	DOES NOT APPLY – This regulation does not apply to Petroleum Refineries. DOES NOT APPLY – A pollutant-specific emissions unit that does not use a control device to achieve compliance with an emission limitation or standard and/or does not have a potential pre-control device emissions required to be classified as a major source is not subject to the provisions of this rule. All of the emission units in LS Mogas unit are either not equipped with a control device to achieve compliance with an emission limitation or standard, or emit less than 100% of the major source threshold. CAUSREG/PV is exempted because it is applicable to a standard proposed after November 15, 1990 (40 CFR 63, Subpart CC).
ARE021 LSM/WW	NSPS Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems 40 CFR 60.690(a)	DOES NOT APPLY – The provisions of this subpart only apply to affected facilities for which construction, modification, or reconstruction is commenced after May 4, 1987. Affected facilities have not been modified after May 4, 1987. The Low Sulfur Mogas Complex Basins and Sewer Vents process stormwater only. Stormwater sewer systems are not subject to the requirements of this subpart.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT689 and 690 HCN/CT-11 and ICN/CT Cooling Towers	NESHAP for Source Categories Subpart CC – Petroleum Refineries, Wastewater Provisions 40 CFR 63.647(a) NESHAP for Source Categories Subpart Q – Cooling Towers 40 CFR 63.400(a)	DOES NOT APPLY – Wastewater streams having a benzene concentration of less than 10 ppmw (Group 2) are not regulated by this subpart. All wastewater streams in the Low Sulfur Mogas Complex are Group 2. DOES NOT APPLY – Subpart only applies to industrial process cooling towers that are operated with chromium-based water treatment chemicals. Cooling tower water treatment chemicals do not contain chromium or chromium compounds.
EQT691 LSM/FLR-8 Flare	Control of Emissions of Nitrogen Oxides – Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence LAC 33:III.2201.C.7	EXEMPT – Flares are exempt from the provisions of Chapter 22.
EQT692 HCN/F201 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A Control of Emissions of Nitrogen Oxides – Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence LAC 33:III.2201.C.15	EXEMPT – Units emitting less than 250 tpy SO ₂ are exempt. Unit emits less than 250 tpy SO ₂ . DOES NOT APPLY – CEM is not required for flares and sources emitting less than 100 tpy of SO ₂ . Source emits less than 100 tpy SO ₂ . EXEMPT FROM NOx STANDARD – Source meets more stringent NOx emission limitation. Chapter 22 monitoring, recordkeeping, and reporting requirements apply.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT692 HCN/F201 Furnace (Continued)	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.a	EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.
EQT693 HCN/F202 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT – Units emitting less than 250 tpy SO ₂ are exempt. Unit emits less than 250 tpy SO ₂ .
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	DOES NOT APPLY – CEM is not required for flares and sources emitting less than 100 tpy of SO ₂ . Source emits less than 100 tpy SO ₂ .
	Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.a	EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.
	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(b)	DOES NOT APPLY – CAM requirements do not apply to NSPS, NESHAP or MACT standards proposed after November 15, 1990. The MACT Subpart CC, proposed July 15, 1994 is applicable to Group 1 miscellaneous process vents.
EQT694 and 695 ICN/F810 and ICN/F820 Furnaces	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C	EXEMPT FROM NOx STANDARD – Units emitting less than 250 tpy SO ₂ are exempt. Unit emits less than 250 tpy SO ₂ .
	Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A	DOES NOT APPLY – CEM is not required for flares and sources emitting less than 100 tpy of SO ₂ . Source emits less than 100 tpy SO ₂ .

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT694 and 695 ICN/F810 and ICN/F820 Furnaces (Continued)	Control of Emissions of Nitrogen Oxides – Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence LAC 33:III.2201.C.15 Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.a Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(b)	EXEMPT FROM NOx STANDARD – Source meets more stringent NOx emission limitation. Chapter 22 monitoring, recordkeeping, and reporting requirements apply. EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required. DOES NOT APPLY – CAM requirements do not apply to NSPS, NESHAP or MACT standards proposed after November 15, 1990. The MACT Subpart CC, proposed July 15, 1994 is applicable to Group 1 miscellaneous process vents.
EQT696 RHLA1/F700 Furnace	Emission Standard for Sulfur Dioxide Emission Limitations LAC 33:III.1503.C Emission Standard for Sulfur Dioxide, CEM Requirements LAC 33:III.1511.A Comprehensive Toxic Air Pollutants Emission Control Program LAC 33:III.5105.B.3.a	EXEMPT – Units emitting less than 250 tpy SO ₂ are exempt. Unit emits less than 250 tpy SO ₂ . DOES NOT APPLY – CEM is not required for flares and sources emitting less than 100 tpy of SO ₂ . Source emits less than 100 tpy SO ₂ . EXEMPT – Emissions from the combustion of gas streams as defined in LAC 33:III.5105.B.3c are exempt from the requirements of Chapter 51 Subpart A. MACT is not required.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
FUG017 LSM/FUG	NESHAP Subpart J – National Emission Standard for Equipment Leaks of Benzene 40 CFR 61.110(c)(3)	DOES NOT APPLY – Complex does not have streams that contain >= 10% by weight benzene.
	NESHAP Subpart V – National Emission Standard for Equipment Leaks of VHAP 40 CFR 61.240(a)	DOES NOT APPLY – Complex does not have streams that contain >= 10% by weight VHAP.
RLP162 CAUSREG/PV	NSPS Subpart J – Standards of Performance for Petroleum Refineries	DOES NOT APPLY – Vent is regulated as a process vent under NESHAP Subpart CC. Per the preamble, NESHAP Subpart CC vents are not regulated under NSPS.
	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(b)	DOES NOT APPLY – CAM requirements do not apply to NSPS, NESHAP or MACT standards proposed after November 15, 1990. The MACT Subpart CC, proposed July 15, 1994 is applicable to Group 1 miscellaneous process vents.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

**APPENDIX A
40 CFR PART 70 SPECIFIC CONDITIONS**

**Low Sulfur Mogas Complex
Agency Interest No.: 2638
ExxonMobil Refining & Supply Company - Baton Rouge Refinery
Baton Rouge, East Baton Rouge Parish, Louisiana**

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.
 - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LA Refinery MACT) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
 - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program (LA Refinery MACT). Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
 - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 1 and March 1, to cover the periods of January 1, through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
LSM/FUG	LA Refinery MACT	5% VOTAP	LA Refinery MACT in the manner* agreed to be ExxonMobil in its approved Air Toxic Compliance Plan approved April 18, 1996, per Source Notice and Agreement dated October 14, 1996
	LAC 33:III.2122	10% VOC	
	40 CFR 63 Subpart CC - modified HON option	5% VOHAP	
	40 CFR 60 Subpart GGG	10% VOC	

*In lieu of the requirement to monitor connectors (that have been opened or had the seal broken) during the next scheduled monitoring period, connector tightness testing is currently performed prior to equipment startup. Tightness testing may consist of nitrogen pressure test, hydro testing, or high pressure steam. Tightness is verified by instrumentation or observation.

APPENDIX A
40 CFR PART 70 SPECIFIC CONDITIONS

Low Sulfur Mogas Complex
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2. The permittee shall determine nitrogen oxides (NO_x) and carbon monoxide (CO) emissions of the process furnaces in accordance with test methods and procedures set out in 40 CFR 60, Appendix A, Methods 7E and 10 respectively. These emission determinations shall be made at maximum design capacity and normal operational load.

Permittee shall establish a continuous oxygen monitor in the flue gas of the permitted combustion device which meets requirements of 40 CFR 60, Appendix B, Performance Specification 3.

Permittee shall establish a range of excess air (oxygen content) associated with NO_x and CO emission rates specified in this permit. The range shall be determined such that the appropriate NO_x and CO limits are not exceeded.

Oxygen content in the flue gas and combustion temperature shall be continuously monitored and recorded. Alarms shall be set to sound when the flue gas oxygen content or combustion temperature are outside of this established range and corrective action shall be taken any time an alarm is sounded. Records of oxygen content, alarm and corrective actions shall be maintained on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Frequent or excessive instances of operating parameter excursions and/or monitoring device down time may be considered as indicative of failure to properly maintain or operate the equipment, and may be considered a violation of this permit.

Should any combustion equipment modifications be made such as different type burners, combustion air relocation, fuel conversion, tube removal or addition, etc., emissions correlations as described above shall be conducted within 60 days of attaining full operation after such modification. Results of all emission determinations shall be sent to the permitting authority within 45 days after completion of the tests.

In lieu of the monitoring provided above, the permittee may use a properly installed and calibrated continuous NO_x monitor, which meets Performance Specification 2.

In lieu of the monitoring provided above, the permittee may use a properly installed and calibrated continuous CO monitor, which meets Performance Specification 4.

[PSD-LA-667(M-2)]

General Information

AI ID: 2638 ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

ID	Name	User Group	Start Date
0840-00015	ExxonMobil Refining & Supply Co - Baton Rouge Refinery	CDS Number	11-28-2000
13-5409005	Federal Tax ID	Federal Tax ID	11-20-1999
LAD06262887	Exxon Co USA - Baton Rouge Refinery	Hazardous Waste Notification	11-19-1980
PC/JCA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00333	Baton Rouge Refinery	Inactive & Abandoned Sites	02-21-1980
LAD06262887	Exxon Co USA - Baton Rouge Refinery	Inactive & Abandoned Sites	02-21-1980
LA0005584	LPDES #	LPDES Permit #	06-25-2003
LAR05N757	LPDES #	LPDES Permit #	10-12-2006
WP0592	LWDPS #	LWDPS Permit #	06-25-2003
1345	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
D-033-9777	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
G-033-5407	Exxon Co USA	Solid Waste	01-08-2002
GD-033-0596	SW ID #	Solid Waste Facility No.	11-21-1999
0840A0210	SW ID#	Solid Waste Facility No.	04-30-2001
100178	Stage II Vapor Recovery	Stage II Vapor Recovery	08-19-2002
34448	Humble Oil & Refining Co	TEMPO Merge	11-10-2002
44847	ExxonMobil Refining & Supply Co	TEMPO Merge	07-11-2001
47223	Exxon Co USA - Baton Rouge Refinery	TEMPO Merge	07-15-2001
70805XXNBT4050S	Exxon Co USA - Baton Rouge Refinery	TEMPO Merge	07-15-2001
1218	TRI #	Toxic Release Inventory	07-12-2004
1751	UST Case History Case Number	UST Case Number	11-21-1999
743	UST Case History Case Number	UST Case Number	11-21-1999
17004239	UST Case History Case Number	UST Case Number	11-21-1999
	UST Facility ID (from UST legacy data)	UST FID #	10-11-2002

Physical Location:
 4045 Scenic Hwy
 Baton Rouge, LA 70805

Mailing Address:
 PO Box 551
 Baton Rouge, LA 708210551

Location of Front Gate:
 30° 29' 30" 23 hundredths latitude, 91° 10' 8" 31 hundredths longitude, Coordinate Method: Lat./Long. - DMS, Coordinate Datum: NAD83

Related People:
 Name: Richard Cotton
 Mailing Address: PO Box 551 Baton Rouge, LA 708210551
 Phone (Type): 2259778337 (WP)
 Relationship: Underground Storage Tank Contact for

Main FAX: 2259777619
Main Phone: 2259777848

General Information

AI ID: 2638 ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Solid Waste Billing Party for
	Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Solid Waste Permit Contact for
	Richard Cotton	PO Box 551 Baton Rouge, LA 708210551	2259778337 (WP)	Water Permit Contact For
	Stan Labat	PO Box 551 Baton Rouge, LA 708210551	stan.n.labat@exxonr	Emission Inventory Contact for
	Stan Labat	PO Box 551 Baton Rouge, LA 708210551	2259777226 (WP)	Emission Inventory Contact for
	Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259771579 (WF)	Accident Prevention Billing Party for
	Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259778873 (WP)	Accident Prevention Billing Party for
	Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259771579 (WF)	Accident Prevention Contact for
	Paul Leinweber	PO Box 551 Baton Rouge, LA 708210551	2259778873 (WP)	Accident Prevention Contact for
	Stan Vanderleeuw	PO Box 551 Baton Rouge, LA 708210551	2259778423 (WP)	Responsible Official for
	Ralph Willis	4999 Scenic Hwy Baton Rouge, LA 70805	2259778423 (WP)	Radiation Contact For
	Ralph Willis	4999 Scenic Hwy Baton Rouge, LA 70805	2259778423 (WP)	Radiation Registration Billing Party for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	ExxonMobil Corp	PO Box 551 Baton Rouge, LA 708210551		Owns
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Owns
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Emission Inventory Billing Party
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Air Billing Party for
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	UST Billing Party for
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Stage II Vapor Recovery Billing Party for
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Operates
	ExxonMobil Refining & Supply Co	PO Box 551 Baton Rouge, LA 708210551	2259778430 (WP)	Water Billing Party for

NAIC Codes:

32411, Petroleum Refineries

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES
AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Low Sulfur Mogas Complex						
ARE 0021	LSM/VW - Low Sulfur Mogas Complex Catch Basins and Sewer Vents					8760 hr/yr
EQT 0689	HCN/CT-11 - Heavy Cat Naphtha Cooling Tower #11		10500 gallons/min	10500 gallons/min		8760 hr/yr
EQT 0690	ICN/CT - Intermediate Cat Naphtha Cooling Tower #55		33750 gallons/min	33750 gallons/min		8760 hr/yr
EQT 0691	LSM/FLR-8 - LSM Flare #8					8760 hr/yr
EQT 0692	HCN/F201 - HCN F-201 Furnace		62 MM BTU/hr			8760 hr/yr
EQT 0693	HCN/F202 - HCN F-202 Furnace		79 MM BTU/hr			8760 hr/yr
EQT 0694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace		150 MM BTU/hr			8760 hr/yr
EQT 0695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace		197 MM BTU/hr			8760 hr/yr
EQT 0696	RHLA1/F700 - Reforming 1 F-700 Furnace		140 MM BTU/hr			8760 hr/yr
FUG 0017	LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions					8760 hr/yr
RLP 0162	CAUSREG/VP - Caustic Regeneration Offgas Process Vent					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Low Sulfur Mogas Complex							
EQT 0689	HCN/CT-11 - Heavy Cat Naphtha Cooling Tower #11	16.35	1763000	18		54	80
EQT 0690	ICN/CT - Intermediate Cat Naphtha Cooling Tower #55	31.67	2469000	24		36	80
EQT 0692	HCN/F201 - HCN F-201 Furnace	51	29133	3.5		107	840
EQT 0693	HCN/F202 - HCN F-202 Furnace	20	28873	4.8		111	560
EQT 0694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace	18.9	42412	4.67		180	350
EQT 0695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace	18.9	42412	4.67		180	350
EQT 0696	RHLA1/F700 - Reforming 1 F-700 Furnace	5	33263	5.5		180	289

Relationships:

ID	Description	Relationship	ID	Description
RLP 0162	CAUSREG/VP - Caustic Regeneration Offgas Process Vent	Controlled by	EQT 0693	HCN/F202 - HCN F-202 Furnace
RLP 0162	CAUSREG/VP - Caustic Regeneration Offgas Process Vent	Controlled by	EQT 0695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace
RLP 0162	CAUSREG/VP - Caustic Regeneration Offgas Process Vent	Controlled by	EQT 0694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace

Subject Item Groups:

ID	Group Type	Group Description
CRG 0049	Common Requirements Group	CRG049 - HCN/CT-11 and ICN/CT
CRG 0050	Common Requirements Group	CRG050 - ICN/F810 and ICN/F820
GRP 0026	Equipment Group	HCN/FURN - HCN Furnace Cap

INVENTORIES

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
GRP 0093	Equipment Group	ICN/FURN - Intermediate Cat Naphtha Furnace Cap
UNF 0012	Unit or Facility Wide	UNF012 - Low Sulfur Mogas Complex

Group Memberships:

ID	Description	Member of Groups
EOT 0689	HCN/CT-11 - Heavy Cal Naphtha Cooling Tower #11	CRG0000000049
EOT 0690	ICN/CT - Intermediate Cat Naphtha Cooling Tower #55	CRG0000000049
EOT 0692	HCN/F201 - HCN F-201 Furnace	GRP0000000026
EOT 0693	HCN/F202 - HCN F-202 Furnace	GRP0000000026
EOT 0694	ICN/F810 - Intermediate Cat Naphtha F-810 Furnace	CRG0000000050, GRP0000000093
EOT 0695	ICN/F820 - Intermediate Cat Naphtha F-820 Furnace	CRG0000000050, GRP0000000093
EOT 0696	RHLA1/F700 - Reforming 1 F-700 Furnace	GRP0000000093

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	1	M bbl/day
0720	0720 Petroleum Refining (Rated Capacity)	1	M bbl/day

SIC Codes:

2911	Petroleum refining	AJ 2638
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
 Activity Number: PER20070022
 Permit Number: 2176-V4
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Low Sulfur Mogas Complex															
ARE 0021 LSMWW													0.65		2.84
EQT 0689 HCNCT.11							0.26		1.15				0.44		1.93
EQT 0690 ICNCT							0.51	1.01	2.22				1.42		6.21
EQT 0692 HCNF201		5.48			9.92			0.50			2.10			0.36	
EQT 0693 HCNF202		6.98			24.33			0.63			2.90			0.46	
EQT 0694 ICNFB10		13.26			9.15			1.20			5.30			0.87	
EQT 0695 ICNFB20		17.41			12.61			1.58			6.89			1.14	
EQT 0696 RHLA1F700		12.38			35.42			1.12			4.73			0.81	
FUG 0017 LSMFG															
GRP 0026 HCNFURN	11.40		49.95	27.02		118.35	1.03		4.52			17.05	20.83		3.28
GRP 0093 ICNFURN	34.74		152.17	26.25		114.98	3.14		13.77			50.89	2.28		9.98

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

EQT 0689 PM10 Max lb/hr (PSD-LA-667(M-2)). Which Months: All Year
 EQT 0689 PM10 Tons/Year (PSD-LA-667(M-2)). Which Months: All Year
 EQT 0690 PM10 Max lb/hr (PSD-LA-667(M-2)). Which Months: All Year
 EQT 0690 PM10 Tons/Year (PSD-LA-667(M-2)). Which Months: All Year
 EQT 0692 PM10 Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0692 SO2 Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0692 NOx Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0692 CO Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0692 VOC Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0693 PM10 Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
 EQT 0693 SO2 Max lb/hr (PSD-LA-667(M-2)). This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AJ ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

Activity	Source ID	Source Name	Rate	Unit	Limitation
EQT 0693		NOx	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
EQT 0693		CO	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
EQT 0693		VOC	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
EQT 0694		PM10	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
EQT 0694		SO2	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0694		NOx	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0694		CO	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the HCN Furnace Cap. Source ID No. HCN/FURN Which Months: All Year
EQT 0694		VOC	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0695		PM10	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0695		SO2	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0695		NOx	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0695		CO	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0695		VOC	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0696		PM10	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0696		SO2	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
EQT 0696		CO	Max lb/hr		This source operates under an Emissions Cap. The hourly average and annual maximum emissions shall be limited to the emission rates listed in the Intermediate Cat Naphtha Furnace Cap. Source ID No. ICN/FURN Which Months: All Year
GRP 0026		PM10	Avg lb/hr		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		PM10	Tons/Year		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		SO2	Tons/Year		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		NOx	Avg lb/hr		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		NOx	Tons/Year		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		CO	Avg lb/hr		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		CO	Tons/Year		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		VOC	Avg lb/hr		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0026		VOC	Tons/Year		HCN Furnace Emissions Cap. Source ID No. HCN/FURN Which Months: All Year
GRP 0093		PM10	Avg lb/hr		Intermediate Cat Naphtha Furnace Emissions Cap. Source ID No. ICN/FURN Which Months: All Year
GRP 0093		PM10	Tons/Year		Intermediate Cat Naphtha Furnace Emissions Cap. Source ID No. ICN/FURN Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

GRP 0093	SO2	Avg lb/hr	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	NOx	Avg lb/hr	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	NOx	Tons/Year	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	CO	Avg lb/hr	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	CO	Tons/Year	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	VOC	Avg lb/hr	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year
GRP 0093	VOC	Tons/Year	Intermediate Cat Naphtha Furnace Emissions Cap, Source ID No. ICN/FURN	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
ARE 0021 LSMWW	Acrylamide	0.002	0.01
	Benzene	0.01	0.04
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.01	0.04
	Methyl Tertiary Butyl Ether	0.002	0.01
	Methyl ethyl ketone	0.002	0.01
	Phenol	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Toluene	0.05	0.21
	Xylene (mixed isomers)	0.05	0.24
	n-Hexane	0.02	0.07
EQT 0689 HCNCT-11	Acrylamide	0.002	0.01
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.02	0.07
	Methyl Tertiary Butyl Ether	0.002	0.01
	Methyl ethyl ketone	0.002	0.01
	Phenol	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Toluene	0.04	0.19
	Xylene (mixed isomers)	0.12	0.53
	n-Hexane	0.002	0.01
EQT 0690 ICNCT	Acrylamide	0.002	0.01
	Benzene	0.02	0.11
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.002	0.01
	Ethyl benzene	0.03	0.12

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
EQT 0690 ICNCT	Methyl Tertiary Butyl Ether	0.002	0.01
	Methyl ethyl ketone	0.002	0.01
	Phenol	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Toluene	0.13	0.55
	Xylene (mixed isomers)	0.14	0.62
	n-Hexane	0.03	0.15
FUG 0017 LSM/FUG	Acrylamide	0.002	0.01
	Benzene	0.31	1.34
	Biphenyl	0.002	0.01
	Cresol	0.002	0.01
	Cumene	0.01	0.04
	Ethyl benzene	0.27	1.18
	Hydrogen sulfide	0.002	0.01
	Methyl Tertiary Butyl Ether	0.002	0.01
	Methyl ethyl ketone	0.002	0.01
	Phenol	0.002	0.01
	Quinoline	0.002	0.01
	Styrene	0.002	0.01
	Toluene	1.33	5.84
	Xylene (mixed isomers)	1.50	6.59
n-Hexane	0.44	1.92	
UNF 0012 UNF012	Acrylamide		0.04
	Benzene		1.49
	Biphenyl		0.04
	Cresol		0.04
	Cumene		0.07
	Ethyl benzene		1.41
	Hydrogen sulfide		0.01
	Methyl Tertiary Butyl Ether		0.04
	Methyl ethyl ketone		0.04
	Phenol		0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Tons/Year
UNF 0012 UNF012	Quinoline		0.04
	Styrene		0.04
	Toluene		6.79
	Xylene (mixed isomers)		7.98
	n-Hexane		2.15

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

ARE 0021 LSM/WW - Low Sulfur Mogas Complex Catch Basins and Sewer Vents

- 1 [40 CFR 61.355] Wastewater streams with a benzene concentration less than 10 ppmw are exempt from the control requirements. Recordkeeping and reporting requirements only. Waste water streams have a benzene concentration of less than 10 ppmw and are processed at the water clarification plant. Subpart FF.
- 2 [LAC 33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes MACT as approved by DEQ. Compliance with the provisions of 40 CFR 61 Subpart FF - National Emission Standard for Benzene Waste Operations has been determined to be compliance with MACT in accordance with 5109.A.2.

CRG 0049 CRG049 - HCN/CT-11 and ICN/CT

Group Members: EQT 0689EQT 0690

- 3 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 4 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes MACT as approved by DEQ. MACT has been determined to be compliance with LA Refinery MACT.

CRG 0050 CRG050 - ICN/F810 and ICN/F820

Group Members: EQT 0694EQT 0695

- 5 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- 6 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 7 [40 CFR 60.106(a)] Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 8 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 9 [40 CFR 60.7(a)(4)] Submit notification: Due to DEQ 60 days or as soon as practicable before any physical or operational change is commenced which may increase the emission rate of any air pollutant to which a standard applies. Notification shall include the specified information. Subpart A. [40 CFR 60.7(a)(4)]
- 10 [40 CFR 60.7(a)(5)] Submit notification: Due to 30 days prior to CMS performance demonstration commencement. Notify DEQ of the date upon which demonstration will commence per 40 CFR 60.13(c). [40 CFR 60.7(a)(5)]
- 11 [40 CFR 60.7(b)] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of startup, shutdown, or malfunction periods as listed. Subpart A. [40 CFR 60.7(b)]
- 12 [40 CFR 60.7(c)] Submit excess emissions report: Due semiannually to DEQ by the 30th day following the end of each six-month period. Submittal is an excess emissions and monitoring system performance report and/or summary report and shall contain the information specified in 40 CFR 60.7(c) and (d). Subpart A. [40 CFR 60.7(c)]

SPECIFIC REQUIREMENTS

AJ ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

CRG 0050 CRG050 - ICN/F810 and ICN/F820

- 13 [40 CFR 60.7(f)] Equipment/operational data recordkeeping by electronic or hard copy upon measurement. Maintain a file of all measurements, evaluations, calibration checks, adjustments and maintenance, and all other information required by 40 CFR 60 in a permanent form suitable for inspection, as specified. Retain records for at least two years following the date of performance, except as specified in 40 CFR 60.7(f)(1) and (2). Subpart A. [40 CFR 60.7(f)]
- 14 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 15 [40 CFR 63.643(a)(2)] Organic HAPs are reduced 98 weight-percent. Vent stream is introduced into the flame zone of a process heater. Serves as control device for Group 1 miscellaneous process vent CAUSREG/PV as required by 40 CFR 63.643(a)(2). Subpart CC. [40 CFR 63.643(a)(2), 40 CFR 63.643(b)]
- 16 [LAC 33:III.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Compliance is achieved by use of natural gas and NSPS gas, which is similar to natural gas.
- 17 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified
Total suspended particulate \leq 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified
- 18 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 19 [LAC 33:III.2201.H.2.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified
- 20 [LAC 33:III.2201.H.2.a.ii] Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
Which Months: May-Sep Statistical Basis: None specified
- 21 [LAC 33:III.2201.H.2.a.iii] Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.
- 22 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 23 [LAC 33:III.2201.I.1] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 25 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 26 [LAC 33:III.2201.J.1] Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2202.
- 27 [LAC 33:III.2201.J.2] 33:III.2202 Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202.
Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.2202 Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202.
- 28 [LAC 33:III.2201.J.2] Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
 Activity Number: PER20070022
 Permit Number: 2176-V4
 Air - Title V Regular Permit Renewal

CRG 0050 CRG050 - ICN/F810 and ICN/F820

- 29 [LAC 33:III.509] Nitrogen oxides ≤ 0.04 lb/MMBTU. Permittee shall demonstrate compliance with the NOx emission limit by performing a stack test on the furnace using New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E-Determination of Nitrogen Oxides Emissions from Stationary Sources. The test shall be run at full load while burning the maximum amount of fuel gas to demonstrate compliance with the pound per million BTU limit. Permittee shall establish and maintain available on site a record of operations of the furnace indicating compliance with the load limit established during the compliance testing. These records shall be available for inspection by the Office of Environmental Compliance, Surveillance Division. (PSD-LA-667).
 Which Months: All Year Statistical Basis: 24-hour average
 Control emissions of toxic air pollutants to a degree that constitutes MACT as approved by DEQ. MACT has been determined to be NESHAP 40 CFR 63, Subpart CC.
- 30 [LAC 33:III.5109.A]

EQT 0690 ICN/CT - Intermediate Cat Naphtha Cooling Tower #55

- 31 [40 CFR 60.694] Alternate means to achieve equivalent emission reductions approved by EPA: Blowdown system from ICN/CT shall be hard-piped to storage vessels subject to the requirements of NSPS Subpart Kb. Cooling tower blowdown and potentially other oily wastewater lines are routed to oil-water separator tanks subject to the requirements of NSPS Subpart Kb. These tanks are permitted with the Utilities Permit #2363. Permittee shall operate the cooling tower with drift eliminators with a 0.003% drift rate (annual average basis) (determined as BACT for PM/PM10, PSD-LA-667 M-2).
- 32 [LAC 33:III.509]

EQT 0691 LSM/FLR-8 - LSM Flare #8

- 33 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
- 34 [40 CFR 60.105(a)(4)] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
 Which Months: All Year Statistical Basis: None specified
- 35 [40 CFR 60.106(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 36 [40 CFR 60.106]
- 37 [40 CFR 60.18(c)(1)] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 38 [40 CFR 60.18(c)(2)] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 39 [40 CFR 60.18(c)(3)(ii)] Heat content ≥ 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 40 [40 CFR 60.18(c)(5)] Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{max} , as determined by the method specified in 60.18(f)(6). [40 CFR 60.18(c)(5)]

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0691 LSM/FLR-8 - LSM Flare #8

- 41 [40 CFR 60.18(d)] Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 42 [40 CFR 60.18(e)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 43 [40 CFR 60.18(f)(2)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- 44 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 45 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Pursuant to the Consent Decree (Civil Action No. SA-05-C-3809 entered on 12-13-2005), Baton Rouge Refinery shall operate and maintain a flare gas recovery system to prevent continuous or routine combustion in the flares. Use of the flare gas recovery system obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by 40 CFR 60.105(a)(4) and 60.7.Source LSM/FLR is subject to 40 CFR Part 60, Subpart A and J for fuel gas combustion devices.
- 46 [LAC 33:III.501.C.6] Pursuant to the Consent Decree (Civil Action No. SA-05-C-3809 entered on 12-13-2005), permittee shall at all times and to the extent practicable, including during periods of startup, shutdown, upset and/or malfunction, implement good air pollution control practices to minimize emissions from its Flaring Devices, in a manner consistent with the requirements imposed by 40 CFR 60.11(d).

EQT 0692 HCN/F201 - HCN F-201 Furnace

- 47 [40 CFR 60.104(e)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average
- 48 [40 CFR 60.105(a)(4)] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified
- 49 [40 CFR 60.106(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 50 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 51 [40 CFR 60.7(a)(4)] Submit notification: Due to DEQ 60 days or as soon as practicable before any physical or operational change is commenced which may increase the emission rate of any air pollutant to which a standard applies. Notification shall include the specified information. Subpart A. [40 CFR 60.7(a)(4)]
- 52 [40 CFR 60.7(a)(5)] Submit notification: Due to 30 days prior to CMS performance demonstration commencement. Notify DEQ of the date upon which demonstration will commence per 40 CFR 60.13(c). [40 CFR 60.7(a)(5)]
- 53 [40 CFR 60.7(b)] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of startup, shutdown, or malfunction periods as listed. Subpart A. [40 CFR 60.7(b)]
- 54 [40 CFR 60.7(c)] Submit excess emissions report: Due semiannually to DEQ by the 30th day following the end of each six-month period. Submittal is an excess emissions and monitoring system performance report and/or summary report and shall contain the information specified in 40 CFR 60.7(c) and (d). Subpart A. [40 CFR 60.7(c)]

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0692 HCN/F201 - HCN F-201 Furnace

- 55 [40 CFR 60.7(f)] Equipment/operational data recordkeeping by electronic or hard copy upon measurement. Maintain a file of all measurements, evaluations, calibration checks, adjustments and maintenance, and all other information required by 40 CFR 60 in a permanent form suitable for inspection, as specified. Retain records for at least two years following the date of performance, except as specified in 40 CFR 60.7(f)(1) and (2). Subpart A. [40 CFR 60.7(f)]
- 56 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 57 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Compliance is achieved by use of natural gas and NSPS gas, which is similar to natural gas.
Which Months: All Year Statistical Basis: None specified
- 58 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified
- 59 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 60 [LAC 33:III.2201.H.2.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified
- 61 [LAC 33:III.2201.H.2.a.ii] Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
Which Months: May-Sep Statistical Basis: None specified
- 62 [LAC 33:III.2201.H.2.a.iii] Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.
- 63 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 64 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 65 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 66 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 67 [LAC 33:III.2201.J.1] Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2202. Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202.
- 68 [LAC 33:III.2201.J.2] Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202.
- 69 [LAC 33:III.2201.J.2] Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.2202. Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202.
- 70 [LAC 33:III.5105.B.3.a] Exempt - Emission from the combustion of Group I virgin fossil fuels are exempt from the requirements of Chapter 51 Subpart A. MACT is not required, the furnace combusts natural gas and refinery fuel gas, which is similar to natural gas.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0693 HCN/F202 - HCN F-202 Furnace

- 71 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- 72 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 73 [40 CFR 60.106(a)] Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 74 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 75 [40 CFR 60.7(a)(4)] Submit notification: Due to DEQ 60 days or as soon as practicable before any physical or operational change is commenced which may increase the emission rate of any air pollutant to which a standard applies. Notification shall include the specified information. Subpart A. [40 CFR 60.7(a)(4)]
- 76 [40 CFR 60.7(a)(5)] Submit notification: Due to 30 days prior to CMS performance demonstration commencement. Notify DEQ of the date upon which demonstration will commence per 40 CFR 60.13(c). [40 CFR 60.7(a)(5)]
- 77 [40 CFR 60.7(b)] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of startup, shutdown, or malfunction periods as listed. Subpart A. [40 CFR 60.7(b)]
- 78 [40 CFR 60.7(c)] Submit excess emissions report: Due semiannually to DEQ by the 30th day following the end of each six-month period. Submittal is an excess emissions and monitoring system performance report and/or summary report and shall contain the information specified in 40 CFR 60.7(c) and (d). Subpart A. [40 CFR 60.7(c)]
- 79 [40 CFR 60.7(f)] Equipment/operational data recordkeeping by electronic or hard copy upon measurement. Maintain a file of all measurements, evaluations, calibration checks, adjustments and maintenance, and all other information required by 40 CFR 60 in a permanent form suitable for inspection, as specified. Retain records for at least two years following the date of performance, except as specified in 40 CFR 60.7(f)(1) and (2). Subpart A. [40 CFR 60.7(f)]
- 80 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 81 [40 CFR 63.643(a)(2)] Organic HAPs are reduced 98 weight-percent. Vent stream is introduced into the flame zone of a process heater. Serves as control device for Group 1 miscellaneous process vent CAUSREG/PV as required by 40 CFR 63.643(a)(2). Subpart CC. [40 CFR 63.643(a)(2), 40 CFR 63.643(b)]
- 82 [40 CFR 63.643(a)(2)] Organic HAPs are reduced 98 weight-percent. Vent stream is introduced into the flame zone of a process heater. Serves as control device for Group 1 miscellaneous process vent CAUSREG/PV as required by 40 CFR 63.643(a)(2). Subpart CC. [40 CFR 63.643(a)(2), 40 CFR 63.643(b)]
- 83 [LAC 33-III.1101.B] Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Compliance is achieved by use of natural gas and NSPS gas, which is similar to natural gas. Which Months: All Year Statistical Basis: None specified
- 84 [LAC 33-III.1313.C] Total suspended particulate ≤ 0.6 lb/MMBTU of heat input.
- 85 [LAC 33-III.1513.C] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0693 HCN/F202 - HCN F-202 Furnace

- 86 [LAC 33:III.2201.E.1.a] Establish an emission factor for each applicable affected point source such that if each affected point sources was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MMBtu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.a to calculate the cumulative emission rate and the facility-wide emission factor. Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii.
- 87 [LAC 33:III.2201.E.1.c] Include in the submitted plan a description of the actions that will be taken if any under-controlled unit is operated at more than 10 percent above its averaging capacity.
- 88 [LAC 33:III.2201.E.1.d] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Carry out recordkeeping that includes, but is not limited to, a record of the data on which the determination of each point source's hourly, daily, or 30-day, as appropriate, compliance with the facility-wide averaging plan is based.
- 90 [LAC 33:III.2201.E.1] Submit a request for approval to use a facility-wide averaging plan, that includes the details of the plan, to DEQ either separately or with the permit application or in the optional compliance plan described in LAC 33:III.2201.F.7.
- 91 [LAC 33:III.2201.E.1] Comply with the facility-wide averaging plan as approved by DEQ.
- 92 [LAC 33:III.2201.G.2] Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM₁₀, and VOC if modifications could cause an increase in emissions of any of these compounds.
- 93 [LAC 33:III.2201.H.2.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
- 94 [LAC 33:III.2201.H.2.a.ii] Which Months: May-Sep Statistical Basis: None specified
Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
Which Months: May-Sep Statistical Basis: None specified
- 95 [LAC 33:III.2201.H.2.a.iii] Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.
- 96 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 97 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 98 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 99 [LAC 33:III.2201.J] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 100 [LAC 33:III.2201.J.1] Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202.
- 101 [LAC 33:III.2201.J.2] Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0693 HCN/F202 - HCN F-202 Furnace

102 [LAC 33:III.2201.J.2]

Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202.

103 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes MACT as approved by DEQ. Compliance with MACT has been determined to be compliance with NESHAP 40 CFR 63, Subpart CC. Organic TAPs from miscellaneous process vents shall be routed to a control device demonstrating 98% or greater destruction or removal efficiency. Serves as control device for miscellaneous process vent CAUSREG/PV as required by 40 CFR 63, Subpart CC.

EQT 0696 RHLA1/F700 - Reforming 1 F-700 Furnace

104 [40 CFR 60.104(a)(1)]

Fuel gas: Hydrogen sulfide ≤ 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

105 [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: Three-hour rolling average
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

106 [40 CFR 60.106(a)]

Which Months: All Year Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR

107 [40 CFR 60.106]

60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

108 [40 CFR 60.7(a)(4)]

Submit notification: Due to DEQ 60 days or as soon as practicable before any physical or operational change is commenced which may increase the emission rate of any air pollutant to which a standard applies. Notification shall include the specified information. Subpart A. [40 CFR 60.7(a)(4)]

109 [40 CFR 60.7(a)(5)]

Submit notification: Due to 30 days prior to CMS performance demonstration commencement. Notify DEQ of the date upon which

110 [40 CFR 60.7(b)]

demonstration will commence per 40 CFR 60.13(c). [40 CFR 60.7(a)(5)]
Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of startup, shutdown, or malfunction periods as

111 [40 CFR 60.7(c)]

listed. Subpart A. [40 CFR 60.7(b)]
Submit excess emissions report: Due semiannually to DEQ by the 30th day following the end of each six-month period. Submittal is an excess

112 [40 CFR 60.7(d)]

emissions and monitoring system performance report and/or summary report and shall contain the information specified in 40 CFR 60.7(c) and (d). Subpart A. [40 CFR 60.7(c)]

Equipment/operational data recordkeeping by electronic or hard copy upon measurement. Maintain a file of all measurements, evaluations,

calibration checks, adjustments and maintenance, and all other information required by 40 CFR 60 in a permanent form suitable for inspection, as specified. Retain records for at least two years following the date of performance, except as specified in 40 CFR 60.7(f)(1) and (2). Subpart A.

[40 CFR 60.7(f)]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

113 [40 CFR 60.]

114 [LAC 33:III.1101.B]

Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Compliance is achieved by use of natural gas and NSPS gas, which is similar to natural gas.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0696 RHLA1/F700 - Reforming 1 F-700 Furnace

- 115 [LAC 33:III.1313.C] Total suspended particulate \leq 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified
- 116 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 117 [LAC 33:III.2201.E.1.a] Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MMBtu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.a to calculate the cumulative emission rate and the facility-wide emission factor.
- 118 [LAC 33:III.2201.E.1.c] Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii.
- 119 [LAC 33:III.2201.E.1.d] Include in the submitted plan a description of the actions that will be taken if any under-controlled unit is operated at more than 10 percent above its averaging capacity.
- 120 [LAC 33:III.2201.E.1.j] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Carry out recordkeeping that includes, but is not limited to, a record of the data on which the determination of each point source's hourly, daily, or 30-day, as appropriate, compliance with the facility-wide averaging plan is based.
- 121 [LAC 33:III.2201.E.1] Submit a request for approval to use a facility-wide averaging plan, that includes the details of the plan, to DEQ either separately or with the permit application or in the optional compliance plan described in LAC 33:III.2201.F.7.
- 122 [LAC 33:III.2201.E.1] Comply with the facility-wide averaging plan as approved by DEQ.
- 123 [LAC 33:III.2201.G.2] Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM₁₀, and VOC if modifications could cause an increase in emissions of any of these compounds.
- 124 [LAC 33:III.2201.H.2.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified
- 125 [LAC 33:III.2201.H.2.a.ii] Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
Which Months: May-Sep Statistical Basis: None specified
- 126 [LAC 33:III.2201.H.2.a.iii] Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run.
- 127 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 128 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 129 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 130 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 131 [LAC 33:III.2201.J.1] Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202.

SPECIFIC REQUIREMENTS

AJ ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

EQT 0696 RHLA1/F700 - Reforming 1 F-700 Furnace

132 [LAC 33:III.2201.J.2]

Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202.

133 [LAC 33:III.2201.J.2]

Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202.

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

134 [40 CFR 60.590-593]

Compliance with the Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with 40 CFR Part 60 Subpart GGG.

135 [40 CFR 63.Subpart CC]

Compliance with the Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with 40 CFR Part 63 Subpart CC.

136 [LAC 33:III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

137 [LAC 33:III.2122]

Compliance with the Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with LAC 33:III.2122.

138 [LAC 33:III.501]

Comply with LA 33:III.2121 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with LA Refinery MACT.

139 [LAC 33:III.507.H.1.a]

Fugitive emissions of VOC shall be controlled by a monitoring program conforming to the LA Refinery MACT. The number of each type of component required to be monitored for each monitoring period under the applicable leak definition and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification provided:

- a. Changes in components involve routing maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves
- b. Changes do not involve any emissions increase associated with production rate or capacity change
- c. Actual emissions following the changes will not exceed the emission limits contained in this permit
- d. The components are promptly incorporated into any applicable leak detection and repair program

140 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

- 141 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
- 142 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1.
- 143 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 144 [LAC 33:III.5109.A] Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 145 [LAC 33:III.5109.A] VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 146 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
- 147 [LAC 33:III.5109.A] Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 148 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days.
- 149 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 150 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

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Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

- 151 [LAC 33:III.5109.A] Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
- 152 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
- 153 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 154 [LAC 33:III.5109.A] Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 155 [LAC 33:III.5109.A] Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 156 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2.
- 157 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.
- 158 [LAC 33:III.5109.A] Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 159 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 160 [LAC 33:III.5109.A] Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

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Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

- 161 [LAC 33:III.5109.A] Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 162 [LAC 33:III.5109.A] Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 163 [LAC 33:III.5109.A] Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 164 [LAC 33:III.5109.A] Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process.
- 165 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- 166 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
- 167 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 168 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.
- 169 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

- 170 [LAC 33:III.5109.A] Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.
- 171 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 172 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- 173 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 174 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 175 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3.
- 176 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- 177 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 178 [LAC 33:III.5109.A] Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- 179 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Compliance with the Louisiana Refinery MACT, in accordance with the streamlining provisions, is compliance with LAC 33:III.5109.A.

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AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

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Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Mogas Complex Fugitive Emissions

- 180 [LAC 33:III.5109.A] Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 181 [LAC 33:III.5109.A] Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7.
- 182 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- Which Months: All Year Statistical Basis: None specified
- 183 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- Which Months: All Year Statistical Basis: None specified
- 184 [LAC 33:III.5109.A] Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4.
- 185 [LAC 33:III.5109.A] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i.
- Which Months: All Year Statistical Basis: None specified
- 186 [LAC 33:III.5109.A] Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 187 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- Which Months: All Year Statistical Basis: None specified
- 188 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

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Activity Number: PER20070022

Permit Number: 2176-V4

Air - Title V Regular Permit Renewal

FUG 0017 LSM/FUG - Low Sulfur Megas Complex Fugitive Emissions

- 189 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
- 190 [LAC 33:III.5109.A] Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- 191 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 192 [LAC 33:III.5109.A] Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
- 193 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- 194 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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- 195 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.
- 196 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- 197 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.
- 198 [LAC 33:III.5109.A] Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 199 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 200 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.
- 201 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.
- 202 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.
- 203 [LAC 33:III.5109.A] Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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204 [LAC 33:III.5109.A]

VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Which Months: All Year Statistical Basis: None specified

GRP 0026 HCN/FURN - HCN Furnace Cap

Group Members: EQT 0692EQT 0693

205 [LAC 33:III.507.H.1.a]

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total average firing rate (or heat input) each month, as well as the total average firing rates (or heat inputs) for the last twelve months. Make records available for inspection by DEQ personnel.

206 [LAC 33:III.507.H.1.a]

Submit report: Due annually, by the 31st of March. Report the 12 month rolling average firing rate (or heat input) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

207 [LAC 33:III.507.H.1.a]

To demonstrate compliance with the NOx emission limit, Permittee shall calculate total NOx tons for a 12-month rolling period. Total NOx for the furnaces in the cap shall not exceed 118.35 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. Throughput above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

208 [LAC 33:III.507.H.1.a]

Equipment/operational data monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

209 [LAC 33:III.509]

12 month rolling average firing rate or heat input \leq 129 MM BTU/hr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the 12-month rolling average firing rate or heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period. [PSD-LA-667(M-2)].

Which Months: All Year Statistical Basis: 12 Month average

GRP 0093 ICN/FURN - Intermediate Cat Naphtha Furnace Cap

Group Members: EQT 0694EQT 0695EQT 0696

210 [LAC 33:III.507.H.1.a]

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total average firing rate (or heat input) each month, as well as the total average firing rates (or heat inputs) for the last twelve months. Make records available for inspection by DEQ personnel.

211 [LAC 33:III.507.H.1.a]

To demonstrate compliance with the NOx emission limit, Permittee shall calculate total NOx tons for a 12-month rolling period. Total NOx for the furnaces in the cap shall not exceed 114.98 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. Throughput above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

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GRP 0093 ICN/FURN - Intermediate Cat Naphtha Furnace Cap

- 212 [LAC 33:III.507.H.1.a] Submit report: Due annually, by the 31st of March. Report the 12 month rolling average firing rate (or heat input) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 213 [LAC 33:III.507.H.1.a] Equipment/operational data monitored by technically sound method continuously.
- 214 [LAC 33:III.509] Which Months: All Year Statistical Basis: None specified
12 month rolling average firing rate or heat input \leq 393 MM BTU/hr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the 12-month rolling average firing rate or heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period. [PSD-LA-667(M-2)].
Which Months: All Year Statistical Basis: 12 Month average

RLP 0162 CAUSREG/PV - Caustic Regeneration Offgas Process Vent

- 215 [40 CFR 63.643(a)(2)] Organic HAP= \geq 98% reduction by weight, or \leq 20 ppmw, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]
- 216 [40 CFR 63.643(b)] Introduce organic HAP vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. Subpart CC. [40 CFR 63.643(b)]
- 217 [LAC 33:III.2115.B] Nonhalogenated hydrocarbons shall be routed to a control device demonstrating 98% or greater destruction or removal efficiency or 20 ppmv, whichever is less stringent. Waste gas is routed to process heater ICN/F810, ICN/F820, or HCN/F202.
- 218 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes MACT as approved by DEQ. MACT has been determined to be NESHAP 40 CFR 63, Subpart CC.

UNF 0012 UNF012 - Low Sulfur Mogas Complex

- 219 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 220 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 221 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 222 [40 CFR 61.342(e)(2)(i)] Benzene \leq 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- 223 [40 CFR 61.355] Which Months: All Year Statistical Basis: None specified
Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 224 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

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UNF 0012 UNF012 - Low Sulfur Mogas Complex

- 225 [40 CFR 61.357(c)] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- 226 [40 CFR 61.357(e)] Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
- 227 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 228 [40 CFR 63.7886(b)(2)] Currently the Baton Rouge Complex does not have any affected sources subject to the following provisions: process vents, equipment leaks, closed-vent systems/control devices, or continuous monitoring systems. Remediation Material Management Units (RMMUs) are used to manage remediation material generated from site remediation associated with unplanned releases. The Baton Rouge Complex uses a variety of containers as RMMUs. Existing tanks and/or separators which are potentially subject to this subpart are exempt from emission control requirements because these tanks and/or separators contain remediation material with an average total VOHAP < 500 ppmw. Subpart GGGGG. [40 CFR 63.7886(b)(2)]
- 229 [40 CFR 63.7886(b)] Containers are currently the only emission source (Remediation Material Management Unit) Subject to the emission control requirements of the Site Remediation MACT. The HAP emissions associated with these RMMUs will be controlled according to the applicable standards specified in 40 CFR 63.7900 through 40 CFR 63.7903, or will meet one of the following exemptions: (1) The remediation material will be included in the site-wide 1.0 Mg exemption list in accordance with 40 CFR 63.7881(c)(1); or (2) The site remediation will be completed within 30 consecutive calendar days in accordance with 30 CFR 63.7884(b). Subpart GGGGG. [40 CFR 63.7886(b)]
- 230 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 231 [40 CFR 68.150] Submit Risk Management Plan as required by the regulation by June 21, 1999. RMP was submitted by June 21, 1999.
- 232 [40 CFR 70.5(a)(1)(iii)] Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 233 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 234 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 235 [LAC 33:III.2139.A] Control emissions of VOC from steam jet ejectors and mechanical pumps by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.2115.I, J, and K.
- 236 [LAC 33:III.2139.B] Control emissions of VOC from a hot-well with a contact condenser by covering the hot-well and controlling the vapors by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.2115.I, J, and K.
- 237 [LAC 33:III.2141.A] Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 238 [LAC 33:III.2141.A] Control emissions of volatile organic compounds from petroleum refinery process unit turnaround by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.

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- 239 [LAC 33:III.2151.D] Compare the cleaning effectiveness of solvents and other cleaners using ASTM Method D-4828, "Standard Test Method for Practical Washability of Organic Coatings"
- 240 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 241 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 242 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 243 [LAC 33:III.501.C.1] Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services as required in accordance with the procedures in LAC 33:III.Chapter 5.
- 244 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 245 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include Ethylene and Propylene. (State Only).
- 246 [LAC 33:III.507.E.4] Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration.
- 247 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 248 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 249 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 250 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 251 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 252 [LAC 33:III.5107.A] Submit Annual Emissions Report (TED): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

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- 253 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 254 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:1.3923.
- 255 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931. Submit notification in the manner provided in LAC 33:1.3923.
- 256 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 257 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 258 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 259 [LAC 33:III.517.A.1] Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority.
- 260 [LAC 33:III.517.B.1] Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete.
- 261 [LAC 33:III.517.C] Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit.
- 262 [LAC 33:III.517.D] Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18.
- 263 [LAC 33:III.517.E] In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8.

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery
Activity Number: PER20070022
Permit Number: 2176-V4
Air - Title V Regular Permit Renewal

UNF 0012 UNF012 - Low Sulfur Mogas Complex

- 264 [LAC 33:III.517.G] Submit change of ownership notification in accordance with LAC 33:I.Chapter 19.
 - 265 [LAC 33:III.523.A] Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate.
 - 266 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
 - 267 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
 - 268 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
 - 269 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
 - 270 [LAC 33:III.5911.A] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later.
 - 271 [LAC 33:III.5911.C] Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
 - 272 [LAC 33:III.919.D] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.